Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1.   (Currently amended) A receiver for a digital video service network, the receiver comprising:

means for receiving a digital television signal broadcast by a broadcaster over a transmission channel, the digital television signal including a Preview Program for a Main Program and Broadcasting Schedule Information for the Main Program, ~~the Preview Program and the Broadcasting Schedule Information relating to a Main Program~~;

means for decoding the digital television signal; ~~and~~

means for providing an output signal reflective of the Preview Program for display; and

means for selecting an item of the Main Program corresponding to a current segment of the Preview Program from the Broadcasting Schedule Information based on user instructions while the user is watching the current segment of the Preview Program,

wherein when the Preview Program is being broadcast over the transmission channel, the Broadcast Schedule Information is broadcast along with the Preview Program in the digital television signal such that the Broadcasting Schedule Information is received by said means for receiving a digital television signal simultaneously with the Preview Program,

wherein the means for selecting the Main Program comprises an icon simultaneously

displayed with the current segment of the Preview Program indicating to the user a capability of

receiving the user instructions to reserve the corresponding item of the Main Program.

2.   (Currently amended) The receiver of Claim 1, further ~~including~~ comprising means

for demodulating the received digital television signal and extracting bit streams describing the

digital television signal.

3.   (Currently amended) The receiver of Claim 1, wherein the means for decoding the

digital television signal ~~includes~~ comprises a Transport Stream (TS) demultiplexer for

~~demultiplexing and outputting~~ generating a signal ~~representative of~~ corresponding to the Preview

Program.

4.   (Currently amended) The receiver of Claim 3, wherein the TS demultiplexer is

also configured to output ~~outputs~~ the Broadcasting Schedule Information.

5.   (Currently amended) The receiver of Claim 1, further comprising a System and

Schedule Manager for controlling the means for decoding the digital television signal, the

System and Schedule Manager further directing a data stream flow ~~of data~~ from the digital

television signal.

6.   (Currently amended) The receiver of Claim 1, further comprising a Digital

Storage Device for receiving, storing and replaying data ~~reflective of~~ corresponding the Main

Program, the Main Program being related to the Preview Program and the Main Program being

described by the Broadcasting Schedule Information.

7.   (Currently amended) The receiver of Claim 1, further comprising Application

decoders for decoding audio and video coded bit streams of the Preview Program ~~or~~ and the

Main Program, the ~~Audio/Video~~ Application decoders sending an Audio output signal for

transducing into sound and a decoded video signal for processing and display on a digital

television.

8.   (Currently amended) The receiver of Claim 7, further comprising means for

generating ~~an~~ the icon to overlay the video output of the decoded video signal during display on

the digital television.

9.   (Currently amended) The receiver of Claim 3, further comprising means for

downloading the Broadcasting Schedule Information while the current segment of the Preview

Program is being decoded and displayed, wherein the Broadcasting Schedule Information

includes information describing the corresponding item of the Main Program, including a

channel number and a start time.

10.   (Currently amended) The receiver of Claim 9, further comprising a Schedule

Queue, the Schedule Queue receiving at least the start time of the Broadcasting Schedule

Information, the start time being compared with a system clock to determine when to have

control signals sent to instruct the receiver to process the <u>selected item of the</u> Main Program.

11.   (Currently amended) The receiver of Claim 10, further comprising means for

notifying a viewer <u>the user</u> that the start time is approaching and requesting an instruction as to

whether the viewer <u>user</u> desires that the <u>selected item of the</u> Main Program be recorded or

displayed.

12.   (Currently amended) The receiver of Claim 11, wherein the means for notifying

<u>the user</u> provides an instruction to record if the viewer <u>user</u> does not input any instruction within

a predetermined time.

13.   (Currently amended) A method for providing MPEG-2 digital television signals,

the method comprising the steps of:

    providing a Preview Program, the Preview Program relating to a Main Program;

    providing Broadcasting Schedule Information relating to the Main Program;

    coding the Preview Program into an MPEG-2 signal; and

    embedding the Broadcasting Schedule Information into the MPEG-2 signal such that the

Broadcasting Schedule Information will be received by a digital television receiver while the

Preview Program is being decoded by the digital television receiver<u>; and</u>

selecting an item of the Main Program corresponding to a current segment of the Preview

Program from the Broadcasting Schedule Information based on user instructions when an icon is

simultaneously displayed with the current segment of the Preview Program indicating to the user

a capability of reserving the item of the Main Program corresponding to the current segment of

the Preview Program,

wherein the Broadcast Schedule Information is broadcast along with the Preview

Program and received by said digital television receiver simultaneously with the Preview

Program.

14.   (Currently amended) The method of Claim 13, further comprising the step of

coding a notice the icon into the MPEG-2 signal, the notice being applied by the receiver in such

a manner to inform the viewer that they are receiving an MPEG-2 signal which includes both the

Preview Program and the Broadcasting Schedule Information.

15.   (Canceled).

16.   (Currently amended) An MPEG-2 digital television signal, comprising:

a Preview Program coded within the MPEG-2 signal, the Preview Program relating to a

Main Program;

Broadcasting Schedule Information embedded within the MPEG-2 signal, the

Broadcasting Schedule Information relating to the Main Program; and

the Broadcasting Schedule Information being embedded into the MPEG-2 signal such

that the Broadcasting Schedule Information will be received by a digital television receiver while

the Preview Program is being decoded by the digital television receiver,

wherein the Broadcast Schedule Information is broadcast along with the Preview

Program and received simultaneously with the Preview Program, and

wherein an item of the Main Program is selectable from the Broadcasting Schedule

Information based on user instructions when the user sees an icon simultaneously displayed with

a current segment of the Preview Program corresponding to the item of the Main Program.

17.   (Currently amended) The MPEG-2 ~~Signal~~ signal of Claim 16, further comprising

~~a notice~~ the icon coded into the MPEG-2 signal, the ~~notice~~ icon ~~being applied by the receiver in~~

~~such a manner to~~ informing the viewer that ~~they are receiving an~~ the MPEG-2 signal ~~which~~

includes both the Preview Program and the Broadcasting Schedule Information.

18.   (Canceled).

19.   (Currently amended) A method of displaying an MPEG-2 digital television signal

including a Preview Program and Broadcasting Schedule Information related to a Main Program,

comprising the steps of:

displaying ~~a program~~ the Preview Program coded within the MPEG-2 signal, the Preview

Program ~~relating~~ corresponding to an related item in the Main Program of choice for the viewer;

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and

receiving ordering information embedded within the MPEG-2 signal simultaneously with

the display of a current segment of the ~~program~~ Preview Program, the ordering information

relating to the item of choice, and the ordering information allowing a viewer to select the item

based on an icon simultaneously displayed with ~~while~~ the ~~program~~ Preview Program ~~is being~~

~~displayed~~,

wherein the Broadcast Schedule Information is broadcast along with the Preview

Program and received simultaneously with the Preview Program.

20.   (Currently amended) The method of Claim 19, further comprising the step of

providing ~~a notice~~ the icon to a viewer, ~~the notice being applied to the viewer in such a manner~~

to inform the viewer that they are receiving ~~an MPEG-2 signal which includes~~ both the ~~program~~

Preview Program and the ordering information.

21.   (Canceled).

22.   (Canceled).

23.   (Currently amended) The receiver of Claim 1, wherein the Broadcasting Schedule

Information is delivered to the means for receiving a digital television signal simultaneously

with the Preview Program.

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24.   (Currently amended) The receiver of Claim 10, further comprising means for comparing the start time with a system clock, and then sending control signals to instruct the receiver to display the <u>selected item of the </u>Main Program at the start time.